

CAU 16148
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11/02/99

PATENT
ATTORNEY DOCKET NO. 07540/020003

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Mary Jane DiPalma
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Walter et al.

Art Unit: 1614

Serial No.: 09/292,862

Examiner:

Filed: April 16, 1999

Title: NOVEL MUTATIONS IN THE *FREAC3* GENE
FOR DIAGNOSIS AND PROGNOSIS OF GLAUCOMA
AND ANTERIOR SEGMENT DYSGENESIS

Assistant Commissioner for Patents
Washington, D.C. 20231

SECOND PRELIMINARY AMENDMENT

Prior to examination, kindly amend the application as follows.

5 In the Claims

Amend claim 7 and 15, as follows.

7. (Amended) A method of diagnosing a mammal for an increased likelihood of developing or having a developmental defect or a disease of the eye, said method comprising detecting the presence of a mutant *FREAC3* polypeptide in said mammal, wherein the presence of said mutant *FREAC3* polypeptide indicates that said mammal has a mutation in a *FREAC3* gene, wherein the presence of said mutation is an indication that

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said mammal has an increased likelihood of developing a disease of the eye.

15. (Amended) The method of claim 1 or 7, wherein said developmental defect is a cardiac defect or an eye defect, wherein said eye defect is anterior segment dysgenesis.

✓
Add the following new claims.

16. The method of claim 1 or claim 7, wherein said mammal is prenatal.--

17. The method of claim 1 or claim 7, wherein said mammal is a human.

Support for the Amendments

Support for the amendments to claims 7 and 15, may be found, e.g., at page 3, lines 15 through 22, and at page 38, lines 9 through 10. Support for new claims 16 and 17 may be found, e.g., at page 6, lines 20-21. No new matter has been added by this amendment.

Please apply any charges or any credits to Deposit Account No. 03-2095.

Respectfully submitted,

Date:

October 15, 1999

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